

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 03/00301

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F02M 25/028, B05B 1/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F02M, B05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003000773 A1 (W. ENGLER ET AL), 2 January 2003 (02.01.03), figures 1-5, abstract --	1-10
A	US 4757787 A (A. RISITANO ET AL), 19 July 1988 (19.07.88), figures 1,2,5, abstract --	
A	US 4406255 A (T.P. GOODMAN), 27 Sept 1983 (27.09.83), figures 1-6, abstract --	
A	US 4051815 A (L.E. COBERLEY), 4 October 1977 (04.10.77), figures 1-12, abstract --	

☒ Further documents are listed in the continuation of Box C.
 ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 8 July 2003	Date of mailing of the international search report 08 -07- 2003
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Dan Ionesco / MRo Telephone No. +46 8 782 25 00

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3911871 A (E.A. WILLIAMS ET AL), 14 October 1975 (14.10.75), figures 1-4, abstract --	
A	PATENT ABSTRACT OF JAPAN vol. 1997, no. 04, 30 April 1997 (1997-04-30) & JP 08 338317 A (READ KOGYO KK), 24 December 1996 (1996-12-24) abstract -- -----	

INTERNATIONAL SEARCH REPORT
Information on patent family members

29/06/03

International application No.

PCT/FI 03/00301

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
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US	4406255	A	27/09/83	NONE		

US	4051815	A	04/10/77	NONE		

US	3911871	A	14/10/75	NONE		
